

Author Index

- Agarwal, S.K., Butt, J.B. and Spivey, J.J.
Deep oxidation of hydrocarbons 239
- Appelman, W.J.T.M., Versteeg, G.F. and Kuczynski, M.
Simultaneous dehydrogenation of organic compounds and hydrogen removal by hydride forming alloys 35
- Arishtirova, K., Dimitrov, Chr., Dyrek, K., Hallmeier, K.-Hz., Popova, Z. and Witkowski, S.
Influence of copper on physico-chemical and catalytic properties of ZSM-5 zeolites in the reaction of ethene aromatization 15
- Axon, S.A. and Klinowski, J.
Synthesis and characterization of defect-free crystals of MFI-type zeolites 27
- Barbier, J., see Lamy-Pitara, E. 47
- Butt, J.B., see Agarwal, S.K. 239
- Cahoreau, M., see Lamy-Pitara, E. 47
- Caisso, J., see Lamy-Pitara, E. 47
- Chester, A.W., see Kresge, C.T. 215
- Cimino, A., see De Rossi, S. 113
- De Rossi, S., Ferraris, G., Fremiotti, S., Cimino, A. and Indovina, V.
Propane dehydrogenation on chromia/zirconia catalysts 113
- Delmon, B., see Weng, L.-T. 141
- Derouane, E.G., see Maistriau, L. 67
- Dimitrov, Chr., see Arishtirova, K. 15
- Dyreka, K., see Arishtirova, K. 15
- El Ouazzani-Benhima, L., see Lamy-Pitara, E. 47
- Farrauto, R.J., Hobson, M.C., Kennelly, T. and Waterman, E.M.
Catalytic chemistry of supported palladium for combustion of methane 227
- Ferraris, G., see De Rossi, S. 113
- Fremiotti, S., see De Rossi, S. 113
- Gabelica, Z., see Maistriau, L. 67
- Girgis, B.S., see Youssef, A.M. 1
- Guerrero-Ruiz, A., Sepulveda-Escribano, A. and Rodriguez-Ramos, I.
Carbon supported bimetallic catalysts containing iron. I. Preparation and characterization 81
- Guerrero-Ruiz, A., Sepulveda-Escribano, A. and Rodriguez-Ramos, I.
Carbon supported bimetallic catalysts containing iron: II Catalytic behaviour in benzene hy-
- drogenation and thiophene hydrodesulfurization 101
- Hallmeier, K.-Hz., see Arishtirova, K. 15
- Hobson, M.C., see Farrauto, R.J. 227
- Indovina, V., see De Rossi, S. 113
- Jennings, J.R., Lambert, R.M., Nix, R.M., Owen, G. and Shannon, M.D.
Intermetallic catalysts for methanol synthesis: Ternary alloys containing copper and cerium 257
- Kennelly, T., see Farrauto, R.J. 227
- Khalil, L.B., see Youssef, A.M. 1
- Klinowski, J., see Axon, S.A. 27
- Klinowski, J., see Kolodziejki, W. 133
- Kolodziejki, W. and Klinowski, J.
Two-dimensional ^{13}C solid-state spin-diffusion NMR of the products of methanol conversion into gasoline adsorbed on zeolite H-ZSM-5 133
- Kresge, C.T., Chester, A.W. and Oleck, S.M.
Control of metal radial profiles in alumina supports by carbon dioxide 215
- Kuczynski, M., see Appelman, W.J.T.M. 35
- Lambert, R.M., see Jennings, J.R. 257
- Lamy-Pitara, E., El Ouazzani-Benhima, L., Barbier, J., Cahoreau, M. and Caisso, J.
A study of platinum catalysts modified by tin 47
- Maistriau, L., Gabelica, Z. and Derouane, E.G.
Dehydration of (DPA)VPI-5: In situ variable temperature multinuclear NMR investigations 67
- Nix, R.M., see Jennings, J.R. 257
- Oleck, S.M., see Kresge, C.T. 215
- Owen, G., see Jennings, J.R. 257
- Pillai, S.M., Tembe, G.L. and Ravindranathan, M.
Dimerization of ethene to 2-butene and metathesis with 1-butene by sequential use of homogeneous catalyst systems 273
- Popova, Z., see Arishtirova, K. 15
- Ravindranathan, M., see Pillai, S.M. 273
- Rodriguez-Ramos, I., see Guerrero-Ruiz, A. 81
- Rodriguez-Ramos, I., see Guerrero-Ruiz, A. 101
- Sepulveda-Escribano, A., see Guerrero-Ruiz, A. 81
- Sepulveda-Escribano, A., see Guerrero-Ruiz, A. 101

- Shannon, M.D., see Jennings, J.R. 257
Spivey, J.J., see Agarwal, S.K. 239
Tembe, G.L., see Pillai, S.M. 273
Versteeg, G.F., see Appelman, W.J.T.M. 35
Waterman, E.M., see Farrauto, R.J. 227
Weng, L.-T. and Delmon, B.
Phase cooperation and remote control effects
in selective oxidation catalysts — a review

- 141
Witkowski, S., see Arishtirova, K. 15
Youssef, A.M., Khalil, L.B. and Girgis, B.S.
Decomposition of isopropanol on magnesium
oxide/silica in relation to texture, acidity and
chemical composition 1

Subject Index

- Acidity**
Decomposition of isopropanol on magnesium oxide/silica in relation to texture, acidity and chemical composition 1
- Adsorption**
Control of metal radial profiles in alumina supports by carbon dioxide 215
- Alkene metathesis**
Dimerization of ethene to 2-butene and metathesis with 1-butene by sequential use of homogeneous catalyst systems 273
- Alkenes**
Phase cooperation and remote control effects in selective oxidation catalysts – a review 141
- AlPO₄-8**
Dehydration of (DPA)VPI-5: In situ variable temperature multinuclear NMR investigations 67
- Alumina supports**
Control of metal radial profiles in alumina supports by carbon dioxide 215
- Aluminium**
Dehydration of (DPA)VPI-5: In situ variable temperature multinuclear NMR investigations 67
- Aromatization**
Influence of copper on physico-chemical and catalytic properties of ZSM-5 zeolites in the reaction of ethene aromatization 15
- Benzene hydrogenation**
Carbon supported bimetallic catalysts containing iron: II Catalytic behaviour in benzene hydrogenation and thiophene hydrodesulfurization 101
- Bimetallic catalysts**
Carbon supported bimetallic catalysts containing iron. I. Preparation and characterization 81
- Bimetallic catalysts**
Carbon supported bimetallic catalysts containing iron: II Catalytic behaviour in benzene hydrogenation and thiophene hydrodesulfurization 101
- Butene metathesis**
Dimerization of ethene to 2-butene and metathesis with 1-butene by sequential use of homogeneous catalyst systems 273
- Carbon**
Carbon supported bimetallic catalysts containing iron. I. Preparation and characterization 81
- Carbon**
Carbon supported bimetallic catalysts containing iron: II Catalytic behaviour in benzene hydrogenation and thiophene hydrodesulfurization 101
- Carbon dioxide**
Control of metal radial profiles in alumina supports by carbon dioxide 215
- Catalyst characterization (ECS, XPS)**
A study of platinum catalysts modified by tin 47
- Catalyst characterization (Mossbauer spectroscopy, TEM-EDAX)**
Carbon supported bimetallic catalysts containing iron. I. Preparation and characterization 81
- Catalyst preparation (co-precipitation, mechanical mixing)**
Decomposition of isopropanol on magnesium oxide/silica in relation to texture, acidity and chemical composition 1
- Catalyst preparation (zeolites)**
Synthesis and characterization of defect-free crystals of MFI-type zeolites 27
- Chemical composition**
Decomposition of isopropanol on magnesium oxide/silica in relation to texture, acidity and chemical composition 1
- Chromia/zirconia**
Propane dehydrogenation on chromia/zirconia catalysts 113
- Chromium active species**
Propane dehydrogenation on chromia/zirconia catalysts 113
- Combustion**
Catalytic chemistry of supported palladium for combustion of methane 227
- Copper**
Influence of copper on physico-chemical and catalytic properties of ZSM-5 zeolites in the reaction of ethene aromatization 15

Copper/copper oxide	Hydrogen removal
Simultaneous dehydrogenation of organic compounds and hydrogen removal by hydride forming alloys 35	Simultaneous dehydrogenation of organic compounds and hydrogen removal by hydride forming alloys 35
Deactivation	Hydrogenation
Deep oxidation of hydrocarbons 239	A study of platinum catalysts modified by tin 47
Dehydration	Impregnation
Dehydration of (DPA)VPI-5: In situ variable temperature multinuclear NMR investigations 67	Control of metal radial profiles in alumina supports by carbon dioxide 215
Dehydration	Isopropanol decomposition
Decomposition of isopropanol on magnesium oxide/silica in relation to texture, acidity and chemical composition 1	Decomposition of isopropanol on magnesium oxide/silica in relation to texture, acidity and chemical composition 1
Dehydrogenation	Magnesium oxide/silica
Simultaneous dehydrogenation of organic compounds and hydrogen removal by hydride forming alloys 35	Decomposition of isopropanol on magnesium oxide/silica in relation to texture, acidity and chemical composition 1
Dehydrogenation	Magnesium-nickel alloy
Decomposition of isopropanol on magnesium oxide/silica in relation to texture, acidity and chemical composition 1	Simultaneous dehydrogenation of organic compounds and hydrogen removal by hydride forming alloys 35
Ethene	Metal profiles
Influence of copper on physico-chemical and catalytic properties of ZSM-5 zeolites in the reaction of ethene aromatization 15	Control of metal radial profiles in alumina supports by carbon dioxide 215
Ethene dimerization	Methane oxidation
Dimerization of ethene to 2-butene and metathesis with 1-butene by sequential use of homogeneous catalyst systems 273	Catalytic chemistry of supported palladium for combustion of methane 227
Group VIII metals	Methanol synthesis
Carbon supported bimetallic catalysts containing iron. I. Preparation and characterization 81	Intermetallic catalysts for methanol synthesis: Ternary alloys containing copper and cerium 257
Group VIII metals	Methanol-to-gasoline
Carbon supported bimetallic catalysts containing iron: II Catalytic behaviour in benzene hydrogenation and thiophene hydrodesulfurization 101	Two-dimensional ^{13}C solid-state spin-diffusion NMR of the products of methanol conversion into gasoline adsorbed on zeolite H-ZSM-5 133
Hopcalite	MFI-type zeolites
Deep oxidation of hydrocarbons 239	Synthesis and characterization of defect-free crystals of MFI-type zeolites 27
Hydride-forming alloys	Mossbauer spectroscopy
Simultaneous dehydrogenation of organic compounds and hydrogen removal by hydride forming alloys 35	Carbon supported bimetallic catalysts containing iron. I. Preparation and characterization 81
Hydrocarbon oxidation	Nickel acetylacetone
Deep oxidation of hydrocarbons 239	Dimerization of ethene to 2-butene and metathesis with 1-butene by sequential use of homogeneous catalyst systems 273
	Nickel/alumina
	Deep oxidation of hydrocarbons 239

Nuclear magnetic resonance	81
Dehydration of (DPA)VPI-5: In situ variable temperature multinuclear NMR investigations	
67	
Nuclear magnetic resonance	
Synthesis and characterization of defect-free crystals of MFI-type zeolites	27
Nuclear magnetic resonance	
Two-dimensional ^{13}C solid-state spin-diffusion NMR of the products of methanol conversion into gasoline adsorbed on zeolite H-ZSM-5	
133	
Oxidation	
Deep oxidation of hydrocarbons	239
Palladium oxide	
Catalytic chemistry of supported palladium for combustion of methane	227
Phase cooperation	
Phase cooperation and remote control effects in selective oxidation catalysts – a review	
141	
Phosphorus	
Dehydration of (DPA)VPI-5: In situ variable temperature multinuclear NMR investigations	
67	
Platinum	
A study of platinum catalysts modified by tin	
47	
Propane dehydrogenation	
Propane dehydrogenation on chromia/zirconia catalysts	113
2-Propanol dehydrogenation	
Simultaneous dehydrogenation of organic compounds and hydrogen removal by hydride forming alloys	35
Remote control effects	
Phase cooperation and remote control effects in selective oxidation catalysts – a review	
141	
Selective oxidation	
Phase cooperation and remote control effects in selective oxidation catalysts – a review	
141	
Stability	
Intermetallic catalysts for methanol synthesis:	
Ternary alloys containing copper and cerium	
257	
TEM-EDAX	
Carbon supported bimetallic catalysts containing iron. I. Preparation and characterization	
Ternary alloys	
Intermetallic catalysts for methanol synthesis:	
Ternary alloys containing copper and cerium	
257	
Texture	
Decomposition of isopropanol on magnesium oxide/silica in relation to texture, acidity and chemical composition	1
Thermogravimetric analysis	
Catalytic chemistry of supported palladium for combustion of methane	227
Thiophene hydrodesulphurization	
Carbon supported bimetallic catalysts containing iron: II Catalytic behaviour in benzene hydrogenation and thiophene hydrodesulfurization	
101	
Tin	
A study of platinum catalysts modified by tin	
47	
Volatile organic compounds	
Deep oxidation of hydrocarbons	239
VPI-5	
Dehydration of (DPA)VPI-5: In situ variable temperature multinuclear NMR investigations	
67	
Zeolites	
Influence of copper on physico-chemical and catalytic properties of ZSM-5 zeolites in the reaction of ethene aromatization	15
Zeolites	
Synthesis and characterization of defect-free crystals of MFI-type zeolites	27
Ziegler-Natta catalysts	
Dimerization of ethene to 2-butene and metathesis with 1-butene by sequential use of homogeneous catalyst systems	273
Zirconia support	
Propane dehydrogenation on chromia/zirconia catalysts	113
ZSM-5	
Influence of copper on physico-chemical and catalytic properties of ZSM-5 zeolites in the reaction of ethene aromatization	15

ZSM-5

Synthesis and characterization of defect-free
crystals of MFI-type zeolites 27

ZSM-5

Two-dimensional ^{13}C solid-state spin-diffusion
NMR of the products of methanol conversion
into gasoline adsorbed on zeolite H-ZSM-5
133

